

# PATTERN GENERATOR FOR SEMICONDUCTOR TEST SYSTEM

## ABSTRACT OF THE DISCLOSURE

A pattern generator for semiconductor test system for testing a semiconductor memory device by generating and  
5 applying test patterns. The pattern generator is capable of freely generating inversion request signals for inverting the read/write data for specified memory cells for a memory device under test having different numbers of memory cells between X (row) and Y (column) directions.  
10 The locations of specified memory cells are on a diagonal line on an array of memory cells in the memory device under test or on a reverse diagonal line which is perpendicular to the diagonal line.

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